

## REMARKS

Applicants note with appreciation Examiner's detailed response in formulating the objections to Claims 4-6, and in noting the defective oath and drawing informalities. Further, Applicants note with appreciation the allowability of claims 3, 5-8, and 10-12, if re-written into independent form including all the limitations of the base claim and all intervening claims. Applicants have amended Claims 1 and 4-6, and have amended the specification to correspond with the amended claims as will be described below. No new matter is introduced by these amendments. Applicants respectfully request reconsideration and reexamination based on the claim amendments and remarks herein.

Applicants have provided a new oath in compliance with 37 CFR 1.67(a) identifying this application by its application number and its filing date is attached hereto. Applicants respectfully request the holding of a defective oath be withdrawn.

The drawings were objected to because of informalities. Applicants have submitted corrected drawing sheets, attached hereto, that correct the numerals "1204" to "1024" in FIGS. 3A through 8 in concordance with the specification as filed (Specification page 6 line 22 to page 7 line 2, corresponding to paragraph [0036], and Specification page 8 line 19 to page 9 line 3, corresponding to paragraph [0045], and Specification page 10 lines 4-17, corresponding to paragraphs [0050]-[0053]). Applicants respectfully request the drawing objection be withdrawn.

Claims 4-6 were objected to because of informalities. Specifically, in a first portion of the objection, Claim 4 was objected to for reciting a limitation "the second pixel row" without proper antecedent basis. Further, in a second portion of the objection, Claims 5-6 were objected to for reciting an equivocal meaning for a symbol "A". Finally,

in a third portion of the rejection, Claim 5 was objected to for being indefinite.

Applicants respectfully traverse this objection in part.

In the first portion of the objection to original Claims 4-6, and particularly in regards to original Claim 4, Applicants note that original Claim 1 recites in line 1 "a liquid crystal panel including a plurality of pixel rows" and recites in lines 11-12 "wherein the pixel rows includes a plurality of pairs of first and second pixel rows adjacent to each other". Applicants respectfully submit that the "plurality of pixel rows" in line 2 of original Claim 1 is further elaborated as including "a plurality of pairs of first and second pixel rows adjacent to each other" in lines 11-12, and that the indefinite introduction of "a plurality of pairs of" is a sufficient introduction of the new paired elements "first and second pixel rows". Since original Claim 4 depends directly from independent original Claim 1, Applicants respectfully submit that "the second pixel row" recited in original Claim 4 line 2 corresponds to the second pixel row paired element in one of the "plurality of pairs of first and second pixel rows" recited in original Claim 1 lines 11-12 and the objection to original Claim 4 is improper, and Applicants respectfully request the first portion of the objection be withdrawn.

In the second portion of the objection to original Claims 4-6, and particularly in regards to original Claims 5-6, Applicants note that original Claims 5-6 were objected to for reciting an equivocal meaning for a specification symbol "A" and a claim symbol "A". Claims 5-6 are amended in order to avoid confusion while corresponding to the application as filed (Specification page 8 line 20 to page 9 line 19). Clearly, Applicants conveyed the variable nature of these terms based at least upon on the variable size of the particular LCD panel. Applicants note with appreciation that Examiner acknowledges

the use of A and B as variables, and that any variable may be used. Further, in the exemplary embodiment,  $W_{1024}$  is the modulation time for the last even gate line. While the literal term  $W_{1024}$  was used, it is clear from the specification and originally filed claims that this modulation term was also specified as the last modulation term. Hence, the use of the term "B" from the originally filed claim set is not considered new matter. Therefore, Applicants respectfully request the second portion of the objection be withdrawn.

In the third portion of the objection to original Claims 4-6, and particularly in regards to original Claim 5, Applicants note that original Claim 5 was objected to for reciting "(p = 1, 2, ...). Applicants note with appreciation Examiner's suggestion, and have amended Claim 5 in compliance to recite "(p=1,2,3,4)". Applicants respectfully assert that the specification and claims as originally filed do not limit the PWM time to only the first through fourth order polynomials, since the number of polynomials may be either more or less. Applicants respectfully request the third portion of the objection be withdrawn.

In view of the above described amendments and remarks, Applicants respectfully request the objection to original Claims 4-6 be withdrawn.

Original Claim 1 was rejected under 35 U.S.C. 102(e) as being completely anticipated by U.S. Patent No. 6,842,161 to *Song et al.* (hereinafter *Song*).

Applicants have amended independent Claim 1 to recite "the first modulation times falling between a minimum value capable of compensating the charging time of pixels in the second pixel rows and a maximum value capable of preventing the inversion of transverse stripes" which is supported by the application as filed and is neither taught

nor suggested by *Song* (Specification page 7 lines 14-22, corresponding to paragraph [0039] of the published application, and FIGS. 3A-3C). Since not all of the elements in Claim 1 are taught by *Song*, Applicants submit that *Song* cannot anticipate Claim 1. Applicants submit that dependent claims 2-12 are also not anticipated by *Song* at least based upon their dependence from independent Claim 1. Therefore, Applicants respectfully request the rejection under 35 U.S.C. 102(e) of Claim 1 be withdrawn.


Claims 1-2, 4 and 9 were rejected under 35 U.S.C. 102(e) as being completely anticipated by published U.S. Patent Application No. 2003/0038766 to *Lee et al.* (hereinafter *Lee*). In reference to Claim 1 above, Applicants have amended Claim 1 to recite "the first modulation times falling between a minimum value capable of compensating the charging time of pixels in the second pixel rows and a maximum value capable of preventing the inversion of transverse stripes" which is neither taught nor suggested by *Lee*. Applicants have also amended dependent Claim 4 to recite "the first modulation time for one of the second pixel rows farther from inputs of the data voltages has a larger value than the first modulation times for the second pixel rows preceding the one of the second pixel rows" which is supported by the specification as filed and is neither taught nor suggested by *Lee* (Specification page 8 lines 8-11, corresponding to paragraph [0041] of the published application, and FIGS. 3A-4). Finally, Applicants submit that dependent claims 2, 4, and 9 are also not anticipated by *Lee* at least based upon their dependence from independent Claim 1. Therefore, Applicants respectfully request the rejection of Claims 1-2, 4 and 9 under 35 U.S.C. 102(e) be withdrawn.

Accordingly, Applicants respectfully submit that Claims 1-12, are in proper form for allowance. Reconsideration and withdrawal of the all objections and rejections are respectfully requested and a timely Notice of Allowance is solicited.

If the Examiner has any questions or concerns, a telephone call to the undersigned at (949) 752-7040 is both welcomed and encouraged.

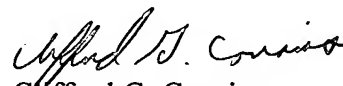
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I hereby certify that the following documents are being sent via US First Class Mail to the U.S. Patent and Trademark Office on the date shown below:

  
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Monique M. Butler

9/1/2006  
Date of Signature

Respectfully submitted,

  
Clifford G. Cousins  
Agent for Applicants  
Reg. No. 50,315

IN THE DRAWINGS

In compliance with Examiner's suggestion, drawing figures 3A-3C, and 4-8 are amended to correct a typographical error. Replacement sheets for the figures are attached hereto.